

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U080318\
 Data File : VU025812.D
 Acq On : 03 Aug 2018 11:37
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 5:38:52 PM

Quant Time: Aug 04 05:36:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072518DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 27 15:10:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	35237	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	13843	1.06	ug/l	0.00
Spiked Amount	1.000		Recovery	=	106.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	14574	1.00	ug/l	0.00
Spiked Amount	1.000		Recovery	=	100.00%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	137934	10.98	ug/l	100
3) Chloromethane	1.33	50	108327	9.12	ug/l	97
4) Vinyl Chloride	1.40	62	121111	11.01	ug/l	98
5) Bromomethane	1.63	94	57027	10.65	ug/l	97
6) Chloroethane	1.70	64	71919	10.90	ug/l	97
7) Trichlorofluoromethane	1.89	101	181705	11.33	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	100015	11.36	ug/l	98
9) 1,1-Dichloroethene	2.29	96	86458	11.13	ug/l	95
10) Iodomethane	2.41	142	47706	6.62	ug/l	92
11) Allyl Chloride	2.59	41	145101	11.17	ug/l	84
12) Acrylonitrile	2.94	53	35604	20.79	ug/l	95
13) Acetone	2.33	43	82373	55.30	ug/l	93
14) Carbon Disulfide	2.48	76	291395	10.97	ug/l	98
15) Methylene Chloride	2.70	84	100843	10.89	ug/l	95
16) trans-1,2-Dichloroethene	2.98	96	96843	11.12	ug/l	95
17) 1,1-Dichloroethane	3.45	63	183427	10.62	ug/l	98
18) 2-Butanone	4.28	43	141657	54.81	ug/l	98
19) Cyclohexane	4.99	56	152094	11.42	ug/l	85
20) Methylcyclohexane	6.42	83	187670	11.48	ug/l	94
21) 2,2-Dichloropropane	4.23	77	194951	11.84	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	121646	11.09	ug/l	95
23) Diethyl Ether	2.10	59	63247	10.75	ug/l	97
24) tert-Butyl Alcohol	2.84	59	70616	102.17	ug/l #	78
25) Methyl tert-Butyl Ether	3.00	73	223355	10.63	ug/l	97
26) Bromochloromethane	4.55	128	52432	10.86	ug/l	86
27) Chloroform	4.68	83	212371	11.19	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	194594	11.37	ug/l	98
29) 1,1-Dichloropropene	5.14	75	163101	11.61	ug/l	98
30) Carbon Tetrachloride	5.13	117	180189	11.59	ug/l	100
31) Isopropyl Ether	3.58	45	307807	11.12	ug/l	93
32) Ethyl-t-butyl ether	4.08	59	289080	10.99	ug/l	93
33) Tert-Amyl methyl ether	5.59	73	256548	11.05	ug/l	97
34) Propionitrile	4.34	54	39316	54.75	ug/l #	97
35) Benzene	5.39	78	449625	11.45	ug/l	99
36) 1,2-Dichloroethane	5.41	62	135725	11.26	ug/l	98
37) Trichloroethene	6.19	130	127134	10.99	ug/l	98
38) 1,2-Dichloropropane	6.44	63	114213	11.21	ug/l	98
39) Methacrylonitrile	4.55	41	35104	10.62	ug/l	91
40) Methyl acrylate	4.43	55	51841	10.40	ug/l #	94
41) Tetrahydrofuran	4.66	42	35676	18.26	ug/l	93
42) 1-Chlorobutane	5.07	56	220209	11.50	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	59688	11.23	ug/l	97
44) Bromodichloromethane	6.76	83	155893	11.57	ug/l	99
45) 4-Methyl-2-Pentanone	7.47	43	327017	55.14	ug/l	99
46) t-1,4-Dichloro-2-butene	10.52	75	57019m	22.41	ug/l	
47) Methyl methacrylate	6.63	69	99961	22.48	ug/l	96
48) Ethyl methacrylate	8.02	69	99808	11.17	ug/l	99
49) Toluene	7.64	92	284209	11.85	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	141873	11.66	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	169946	11.66	ug/l	98
52) 1,1,2-Trichloroethane	8.07	97	78192	10.97	ug/l	96
53) 1,3-Dichloropropane	8.25	76	136308	11.33	ug/l	99
54) 2-Hexanone	8.37	43	231173	55.20	ug/l	99
55) Dibromochloromethane	8.48	129	105818	11.67	ug/l	96
56) 1,2-Dibromoethane	8.59	107	76638	11.11	ug/l	99
58) Tetrachloroethene	8.23	164	126205	12.14	ug/l	99
59) Chlorobenzene	9.12	112	318438	11.54	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	118547	11.57	ug/l	99
61) Pentachloroethane	11.10	117	89628	11.46	ug/l	98
62) Hexachloroethane	12.15	117	95324	11.94	ug/l	99
63) Ethyl Benzene	9.25	91	550682	12.00	ug/l	98
64) m/p-Xylenes	9.38	106	434927	24.11	ug/l	98
65) o-Xylene	9.78	106	205639	11.96	ug/l	99
66) Styrene	9.80	104	354503	12.14	ug/l	99
67) Bromoform	9.96	173	62093	11.61	ug/l	98
69) Isopropylbenzene	10.17	105	558783	12.03	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	96415	10.76	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	58048	8.31	ug/l #	88
72) Bromobenzene	10.45	156	139086	11.53	ug/l	96
73) n-propylbenzene	10.59	120	160732	12.28	ug/l	94
74) 2-Chlorotoluene	10.66	126	140417	12.19	ug/l	88
75) 1,3,5-Trimethylbenzene	10.78	105	493195	12.16	ug/l	99
76) 4-Chlorotoluene	10.77	126	145743	12.03	ug/l	97
77) tert-Butylbenzene	11.10	119	473152	11.83	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	508432	12.28	ug/l	100
79) sec-Butylbenzene	11.33	105	634527	12.07	ug/l	97
80) Nitrobenzene	12.87	77	17318	63.51	ug/l #	96
81) p-Isopropyltoluene	11.48	119	550605	12.36	ug/l	98
82) 1,3-Dichlorobenzene	11.42	146	292353	11.79	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	292605	12.10	ug/l	100
84) n-Butylbenzene	11.89	91	518353	12.40	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	262963	11.61	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	16760	11.34	ug/l	96
87) 1,2,4-Trichlorobenzene	13.51	180	189456	12.01	ug/l	98
88) Hexachlorobutadiene	13.70	225	103397	10.67	ug/l	99
89) Naphthalene	13.74	128	299362	11.69	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	168700	11.71	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

